

[HOME](#)[ABOUT SIPO](#)[NEWS](#)[LAW&POLICY](#)[SPECIAL TOPIC](#)[CHINA IP NEWS](#)**Title: Head lamp for bicycle****Application Number** 03131219 **Application Date** 2003.04.08**Publication Number** 1450300 **Publication Date** 2003.10.22**Priority Information** JP104887/022002/4/8**International Classification** F21S8/12;F21V5/04**Applicant(s) Name** Cateye Co., Ltd.**Address****Vendor(s) Name** Tsukamoto Sasothi**Patent Agency Code** 72001 **Patent Agent** wen dapeng zheng jianhui**Abstract**

There is provided a bicycle head lamp employing an LED having high energy efficiency to be capable of providing sufficiently increased illuminance at a center position a predetermined distance ahead and also satisfying a predetermined distribution of light. A head lamp 10 attached to a bicycle includes a casing 31, a plurality of adjacently arranged LEDs 1, 2, 3, 4, 5 and a lens 11, 12, 13, 14, 15 arranged closer to an opening for each LED.